

**Air-cooled condensing units  
with centrifugal fans  
and scroll compressor**

5 ÷ 42,5 kW



## EPSILON CF/LE

Condensing unit

### Unit frame

In galvanised sheet steel with baked-on polyester powder coating RAL 5014.

### Compressors

Single-phase rotary vane type compressor (mod. 5 and 7) with suction line separator and three-phase hermetic scroll type for the remaining sizes; equipped with internal thermal protection, electric crankcase heater (except mod. 5 and 7), and installed on rubber antivibration mounts.

### Refrigerant circuit

Comprises: charge connection on liquid and suction line, sight glass, filter dryer, high and low pressure switches and safety valve.

### Condenser

High efficiency finned coil, with metal protection grille mod. 5 to 25, with metal protection grille and metal mesh filter mod. 30 and 35.

### Centrifugal fan

Directly coupled to electrical motor, mod. 5 to 15, with belt/pulley transmission mod. 20 to 35. Safety mesh grille on delivery outlet.

### Electrical panel

With main switch, power and control circuits protection and compressor contactors. Microprocessor controlled unit with main function display.

230V/1~/50Hz power supply (models 5 and 7); 400V/3N~/50Hz (remaining models).

## Testing

Units are factory-tested and supplied with refrigerant charge and oil. The units are delivered with the refrigerant circuit charged with nitrogen.

## EPSILON CF/LE /HP

Reversible condensing unit (heat pump)

In addition to the components featured on the cooling-only version, this model includes: 4-way reversing valve, liquid receiver, and thermostatic expansion valve with pressure equalisation; microprocessor enabled for: summer/winter changeover, automatic defrosting, digital input for remote summer/winter changeover function.

## MAIN ACCESSORIES

- Rubber antivibration mounts
- Coils with special anti-corrosion treatment
- RS485 serial interface
- Remote user terminal panel (in addition to the standard terminal).
- Rhermostatic valve for remote evaporator.

## EPSILON CF/LE - R407C TECHNICAL DATA

Unit size		5	7	8.5	10	12.5
<b>Nominal cooling capacity (*)</b>	kW	5,2	7,3	9,4	12,1	15,0
<b>Nominal heating capacity (**)</b>	kW	4,9	7,4	9,3	11,5	13,6
<b>Compressor</b>						
Quantity/Refrigerant circuits	n°	1/1	1/1	1/1	1/1	1/1
Cooling power input (*)	kW	1,8	2,4	3,1	3,4	4,3
Heating power input (**)	kW	1,3	1,7	2,4	2,8	3,4
Capacity steps	%	100	100	100	100	100
<b>Fans</b>						
Air flow	m³/s	1,042	1,042	1,042	1,667	1,667
No. x installed power	n° x kW	1x0,515	1x0,515	1x0,515	1x1,1	1x1,1
<b>Noise level (***)</b>	dB(A)	61	61	61	62	62
<b>Power supply</b>	V/ph/Hz	230/1~/50	230/1~/50	400/3N~/50	400/3N~/50	400/3N~/50
<b>Dimensions and weight</b>						
Width	mm	1150	1150	1150	1250	1250
Depth	mm	652	652	652	828	828
Height	mm	1252	1252	1252	1252	1252
Operating weight	kg	101	111	123	173	174

  

Unit size		15	20	25	30	35
<b>Nominal cooling capacity (*)</b>	kW	17,5	19,9	26,6	37,1	42,5
<b>Nominal heating capacity (**)</b>	kW	16,9	20,1	28,5	37,2	43,1
<b>Compressor</b>						
Quantity/Refrigerant circuits	n°	1/1	1/1	1/1	1/1	1/1
Cooling power input (*)	kW	5,2	6,2	8,8	11,5	13,5
Heating power input (**)	kW	3,9	5	6,2	8,2	9,8
Capacity steps	%	100	100	100	100	100
<b>Fans</b>						
Air flow	m³/s	1,667	2,222	2,222	4,028	4,722
No. x installed power	n° x kW	1x1,1	1x1,1	1x1,1	1x3	1x5,5
<b>Noise level (***)</b>	dB(A)	62	65	65	65	65
<b>Power supply</b>	V/ph/Hz	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50
<b>Dimensions and weight</b>						
Width	mm	1250	1550	1550	1800	1800
Depth	mm	828	845	845	1025	1025
Height	mm	1252	1252	1252	1460	1460
Operating weight	kg	180	218	262	477	486

(\*) Ambient air temperature 35 °C; evaporation temperature 7 °C.

(\*\*) Ambient air temperature 8 °C DB, 70% RH; condensation temperature 40 °C.

(\*\*\*) Sound pressure levels measured in free field conditions at 1 m from the unit, according to ISO 3746.

This datasheet gives the characteristic data of the basic and standard versions of the series; for details refer to the specific documentation